## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |  |  |  |  |  |
|---------------------------|----------|--------|---------|--|--|--|--|--|
| FEE DETERMINATION         |          |        |         |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        | 6-15-01 |  |  |  |  |  |
| FORMALITY REVIEW          |          |        |         |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          | _      |         |  |  |  |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

| ſ   | 70  | im                                    | Г        |                |  |          | Dat      | le            |          |                |  |          | Cla      | um       |              |  |          | _        | Dat      | •        | _        |                | _               |          | Ct       | ein    | ,   |              |            |  | Da             | le   |  |          | _        | _        |
|-----|-----|---------------------------------------|----------|----------------|--|----------|----------|---------------|----------|----------------|--|----------|----------|----------|--------------|--|----------|----------|----------|----------|----------|----------------|-----------------|----------|----------|--------|-----|--------------|------------|--|----------------|--|--|----------|----------|----------|
| T   | ٦   | •                                     | 3 E S    | 1              | Т                                      | Г        | Γ        |               | Г        | Г              |  | П        | Г        | -        | Γ            |  |          |          |          |          |          |                |                 |          |          | ١.     | i   |              | Γ          | Τ  | Τ              | Π  | T  | Π        | Г        | Г        |
| 1   | 3   | Š                                     | Ιū       | t              | 1                                      | 1        | ļ        | ļ             | 1        |                |  |          | 3        | Ortginal |              |  |          |          | . 1      | J        |          |                |                 |          | 1 3      | Odalne |     | 1            |            |  |                | 1  |  |          | 1        |          |
| 1   | ٤ļ  | ₹                                     | 6        | 6              | 1                                      | 1        |          | 1             | }        |                |  |          | E        | ठ        | 1_           | L  |          |          |          |          |          | _ [            | _               |          | Fine     | 5      | 5   | L            | L          |  | 1              | L  | L  | 1_       | L        | l        |
| T   | ٦   | O                                     | IJ       | 1              |  |          | Г        | 1             | 1        |                |  | П        |          | 51       | Г            |  |          |          |          |          |          | П              |                 |          |          | K      | 71  |              | Г          |  |                | Г  | Г  | Ī        | Γ        | Γ        |
| r   | ٦   | 2                                     | 1        | Т              | Τ                                      | 1        | $\vdash$ | 1             |          |                | $\sqcap$   | П        |          | 52       |              |  |          |          |          |          |          |                | ╗               | _        |          | 10     | ×   | Г            | Г          | T  | Π              | Γ  | Г  | 1        | Γ        | Г        |
| ٠t  | ┪   | 3                                     | П        |                | T                                      | $\vdash$ |          |               |          |                |  | П        |          | 53       |              |  |          |          |          |          |          | 7              | $\neg$          | 7.       |          | 10     | X3( |              | Γ          | Π  |                | Г  |  | 1        |          | Г        |
| 1   | 7   | 4                                     | H        | +              | 1                                      | 1-       | $\vdash$ | ۲-            | 1        | 1              |  | П        | -        | 54       | 1            |  |          |          |          |          |          |                | 7               | 7        | _        | K      | ×   |              | 1          | 1  |                | $\vdash$   |  | Ι-       | $\vdash$ | $\vdash$ |
| ٠ŀ  | 7   | 5                                     | H        | Т              | T                                      | 1        |          |               | $\vdash$ |                |  | П        |          | 55       | Г            |  |          |          |          |          |          | 7              | $\neg$          | 7        |          | ×      | 6   |              | Г          | $\top$   | 1              | Г  | T  |          | $\Box$   |          |
| 1   | 7   | 6                                     | H        | T              | 1                                      |          |          | $\overline{}$ | 1        | Г              |  | П        |          | 56       | _            |  |          | П        |          | $\neg$   |          |                | 7               |          |          | 10     | 6   |              | Г          |  | Г              | $\Gamma$   | 1  | Г        | Г        | Γ        |
| ŀ   | 7   | 7                                     | Ħ        | Т              | Т                                      | $\vdash$ |          | _             | Т        | Т              |  | П        |          | 57       |              |  |          | П        |          |          |          | $\neg$         | $\neg$          | $\neg$   |          | ĸ      | 77  | П            | Г          |  |                | $\Gamma$   | Τ  |          | Г        | Г        |
| ٦,  | 7   | 8                                     | H        | 1              | t                                      |          |          | _             | 1        | 1              |  | П        |          | 58       | _            |  |          |          |          |          |          | $\neg$         | $\neg$          | $\neg$   |          | 10     | 0   | 1            |            | 1  | 1              |  | Γ  | Г        | Г        | Г        |
| :1  | 7   | 9                                     | H        | 1              | 1                                      |          |          | _             | 1        | Г              |  |          | r        | 69       |              |  |          |          |          |          |          | $\neg$         |                 |          |          | 10     | 9   |              | Г          | Т  | Г              | Г  |  | 1        | Γ        | Г        |
| ٦   | 1   | 10                                    | H        | ┪              | †                                      | -        | _        | _             | Т        | 1              | П  | П        |          | 60       |              | П  |          |          |          |          |          | $\neg$         |                 |          |          | 11     | 0   | 1            | Γ          |  | Т              |  |  |          | $\Box$   | Г        |
| 1   |     | 11                                    | H        | 1              | 1                                      |          |          | ┢             | 1        | 1              | $\vdash$   | Н        |          | 61       | $\vdash$     |  |          |          |          |          |          | $\dashv$       | 7               |          |          | 111    |     | $\vdash$     | Г          | 1  | Г              | $\vdash$   | $\vdash$   |          |          | $\vdash$ |
| 1   |     | 12                                    | H        | 1              | +                                      |          |          | _             | _        | _              |  | П        |          | 62       |              |  |          |          | $\neg$   |          |          | 7              |                 | 7        |          | 111    | 2   | T            |            |  | 1              | Г  |  |          | $\vdash$ | 厂        |
| r٢  | 7   | 13                                    | H        | T              | 1                                      | М        | Н        |               |          | 1              | М  | $\dashv$ | П        | 63       | $\vdash$     | М  | Н        |          | 7        | $\neg$   | _        | 1              | 7               | 7        |          | 111    |     | 1            |            | 1  | Γ              | Γ  | -  |          | М        | ┌        |
| Ė   |     | 34                                    | It       | 1              | 1                                      |          |          |               |          | _              |  | $\neg$   |          | 64       |              |  |          |          | -        | _        | -        | $\exists$      |                 | 7        |          | 11     | 4   | 1            |            | -  |                |  |  |          |          |          |
|     | 1   | 15                                    | H        | T              | †                                      |          |          |               | Г        | _              |  | $\dashv$ | П        | 65       | Г            | П  | $\Box$   | П        |          | 7        | _        | $\dashv$       | 7               | ┑        |          | 111    | 5   | 1            |            | 1  | Г              | Г  |  |          | П        | Г        |
| ٦,  |     |                                       | H        | T              | +                                      | М        | <b>-</b> | _             |          | $\vdash$       | М  | 7        | П        | 66       | Μ            |  |          | П        | _        | $\neg$ 1 | -1       | _              |                 | 7        |          | 111    |     |              |            | 1  | Ι_             |  |  |          | П        |          |
| +   | 4   | S S S S S S S S S S S S S S S S S S S | Ħ        | Τ              | 1                                      | П        |          |               |          |                | М  | 7        | П        | 67       |              |  |          | $\neg$   |          | _        |          | 7              | _               |          |          | 11     |     |              |            | L  | L              | $L^-$  |  |          |          |          |
| 1   | 4   | i                                     | H        | ┪              | 1                                      |          |          |               | Т        | _              |  | $\neg$   | П        | 68       |              |  |          |          |          |          | 7        |                | $\neg \uparrow$ | 7        |          | 11     | 8   |              | Г          | Т  |                |  | Г  |          |          |          |
| r   | 7   | ij                                    | H        | Т              | 1                                      |          |          |               |          |                | П  | 7        | $\vdash$ | 69       |              |  |          |          | _        | $\neg$   | _        | 7              | 7               | 7        |          | 11     | 8   |              |            |  | Г              |  | Г  |          | П        | $\Box$   |
| h   | +   | *                                     | H        | 1              | 1                                      |          |          | $\vdash$      |          | _              | Н  | 7        |          | 70       |              |  |          |          |          |          | 7        | ヿ              | _               | 7        |          | 112    | 0   |              |            | 1  |                | Г  |  |          |          |          |
| H   | +   | Ŧ                                     | H        | ┢              | ╁                                      | -        | -        | -             | -        | -              | Н  | 1        | -        | 71       | -            | Н  | $\vdash$ | $\vdash$ | ┥        | -        | ┪        | +              | -               | -        | -        | 12     |     | -            | $\vdash$   | 1  | 1              | ┢  | 1  |          |          | П        |
| Ŀ   | +   | 1                                     | H        | ╀╌             | ╁╌                                     | H        | -        | ├             | Н        | -              | Н  | $\dashv$ | ∤⊣       | 72       | H            | Н  | -        | Н        | -1       | -        | ┪        | -              | -               | ┪        | <b>-</b> | 12     |     | -            | ┝          | +-   | $\vdash$       | 1  |  |          |          | $\Box$   |
| _ [ | +   | 7                                     | H        | ŀ              | ╁                                      |          | -        | -             |          | -              | Н  | $\dashv$ | -        | 73       | ┢╌           | Н  | М        | $\vdash$ | -        | -        |          | -              | -               | -        | -        | 112    |     | -            | -          | +  | ┢              | 1  | $\vdash$   | Н        | $\Box$   |          |
| +   | +   | Ŧ                                     | H        | ←              | ╀                                      | $\vdash$ | -        | -             | -        | -              | $\vdash$   | ᅥ        |          | 74       | _            | Н  | -        | $\vdash$ | -1       | -1       | -1       | $\dashv$       | -+              | $\dashv$ | -        | 12     |     | $\vdash$     | <u> </u>   | 1  | _              | H  | -  | $\vdash$ | $\neg$   | $\neg$   |
| H   | +   | 1                                     | 7        | ╀╌             | ┿                                      | -        | -        | -             | -        | $\vdash$       | $\vdash$   | Н        | -        | 75       | -            |  | Н        | Н        | -        | -1       |          | $\dashv$       | 7               | -1       | -        | 12     |     | -            | $\vdash$   | $\vdash$   | $\vdash$       | -  |  |          | 7        | $\neg$   |
| ┝   | ¥   | #                                     | H.       | ⊢              | ╁╌                                     | ⊢        | -        | -             | -        | -              | Н  | ᅥ        | -        | 76       | Н            | Н  | Н        | Н        | -1       |          | -1       | -+             | -1              | $\dashv$ | $\vdash$ | 12     | _   | -            | -          | 1-   |                | -  |  |          | $\neg$   | _        |
| H   | ٩   | 7                                     | H        | 1-             | ╁                                      | -        | -        | ⊢             | Н        | -              | H  | $\dashv$ | $\vdash$ | 77       | Η-           | Η-   | Н        | Н        | -1       |          | -1       | -1             | -1              | -        | 1        | 12     |     | -            | -          | +-   | -              | $\vdash$   |  |          | _        |          |
| ╟   | 7   | 3                                     | 18       | <del> </del>   | +-                                     | ╌        | -        | -             | $\vdash$ | $\vdash$       | -  | $\dashv$ | $\vdash$ | 78       | ├            | -  | Н        | Н        | -        | $\dashv$ |          | -              | -1              |          | -        | 12     |     | -            | -          | T  | -              | -  |  |          |          |          |
| H   | 4   | =                                     | 0        | ┢-             | ╁                                      | $\vdash$ | $\vdash$ | -             | $\vdash$ | ┝              | $\vdash$   | $\dashv$ | -        | 79       | Н            | Н  | Н        | Н        | -        |          | -        | -1             | -1              | ┥.       | -        | 12     |     | <del> </del> | <b>ት</b> ጉ | -  | -              | -  |  | М        | 7        |          |
| H   | 4   | ö                                     | ŏ        |                | ╁                                      | -        | -        | ⊢             | ⊢        | $\vdash$       | Н  | -1       |          | 80       | -            |  | Н        | Н        | -1       |          |          | +              | -1              | -        | +        | 13     |     | -            |            | -  | -              | _  |  |          | 7        | 7        |
| H   | +   |                                       | Q        | ╀╌             | ╁                                      | ┨        | -        |               | ├-       | ⊢              | Н  | $\dashv$ |          | 81       | ┢╾           | $\vdash$   | Н        | Н        | $\dashv$ | -        | ┪        | -+             | -1              | ٦.       | <u> </u> | 1:     |     | Ι-           |            | 1  | 1              |  | М  |          | $\neg$   | _        |
| H   | +   | क                                     | 4        | <del>-</del>   | ╆                                      | ⊢        | ┝        | ┢             | ⊢        | -              | Н  | $\dashv$ | -        | 82       | ┝            | Н  | Н        | Н        | $\dashv$ | -        | -1       | $\dashv$       | -1              | $\dashv$ | -        | 13     |     | -            | -          | ┼  | _              | -  |  |          | -1       | $\neg$   |
| ŀ   | +   | Ŧ                                     | Y        | <del> </del> - | ╁                                      | -        | -        | -             | ┞        | ⊢              | -  | Н        | $\vdash$ | 83       | -            | -  | Н        |          |          | $\dashv$ |          | -              | †               |          | 1        | 13     | _   | -            | -          | -  | _              | _  |  |          | $\neg$   | $\neg$   |
| ŀ   | +   | Ŧ                                     | Y        | +-             | ╁                                      | ╀        | ├        | ├-            | -        | ⊢              | -  | $\dashv$ | -        | 84       | ┝            | $\vdash$   | -        | Н        | Н        | -        | -        | 7              | -1              | $\neg$   | ļ-       | 1      |     | ✝            |            | <del>                                     </del> |                |  | _  |          | $\neg$   |          |
| H   | +   | 7.<br>36                              | μ.       | 4              | +                                      | -        | -        | -             | -        | -              | -  | Н        | -        | 85       | $\vdash$     |  | H        | $\vdash$ | Н        | $\dashv$ | -        | -+             | 4               | $\dashv$ | $\vdash$ | 10     |     | !-           | 1          | $\vdash$   |                |  |  |          | 7        | $\neg$   |
| ŀ   | _   |                                       | Ľ        | +              | +                                      | $\vdash$ | 1        | 1             | $\vdash$ | $\vdash$       | <del>                                     </del> | $\vdash$ | -        | 86       | -            | 1  |          | $\vdash$ | $\vdash$ |          | -        | -1             | -1              | $\dashv$ |          | 13     |     | 1            | 1          |  | _              | Г  | Г  |          | コ        |          |
| ٠   |     | 37<br>37                              | -        | ┼-             | +-                                     | ┰        | ├-       | ├-            | ┢        | 1              | -  | Н        | -        | 87       | Η-           |  |          | $\vdash$ | $\vdash$ |          |          | -1             | 7               | $\neg$   |          | 13     | 7   | 1            | Г          | Τ  | Г              | $\Gamma$   |  |          |          |          |
| ŀ   |     | 36                                    | -        | +              | ┰                                      | $\vdash$ | $\vdash$ | ┰             | $\vdash$ | ╁              | 1  | $\vdash$ | -        | 88       | -            | -  |          |          | Н        | -        |          | -              | -1              | $\dashv$ | 1        | 13     | _   | Τ-           | 1          |  | 1              |  |  |          |          |          |
| ŀ   |     | 39                                    | -        | ┿              | +                                      | +-       | -        | 1             | ┰        | +-             | 1  | Н        | $\vdash$ | 89       | -            | <del>                                     </del> |          |          | Н        |          | -        |                | -1              | $\dashv$ |          | 13     |     | 1            | Τ          | $\Gamma$   |                | Γ.   |  |          |          |          |
| +   |     | <del>30</del>                         | -        | ┨              | +-                                     | ╂—       | +-       | ┼-            | +-       | -              | ┪  | Н        | -        | 90       | ┢            | -  | H        | $\vdash$ | $\vdash$ | $\neg$   | $\vdash$ | -1             | -1              | $\dashv$ | -        | 14     |     | 1            | 1          | 1  |                |  |  |          | П        |          |
| H   | 4   | 41                                    | -        | ╁              | ╀╌                                     |          | ├        | }             | ┢        | <del>}</del> — | ╁  | Н        | $\vdash$ | 91       |              | -  | -        |          | -        |          | $\vdash$ | -              | -1              | $\dashv$ | $\vdash$ | 11     |     | +            | 1          | 1-   | 1              | $\vdash$   |  |          | 7        | $\neg$   |
| ŀ   | 4   |                                       | -        | ╄              | +                                      | ┼-       | <b>├</b> | ╀             |          | ┞-             | ├-   | Н        | -        | 92       |              | ├  | ┰        | -        |          |          | Н        |                |                 | $\dashv$ | -        | ħ      |     | +-           | 1          | +  | t-             | $\vdash$   | 1  |          |          | _        |
| ŀ   |     | 42                                    | $\vdash$ | ╀              | +                                      | +        | ├        |               | <u> </u> | ļ.             | -  | Н        | -        |          | ├-           |  | -        |          | H        | -        | Н        | H              | $\dashv$        |          | -        | 1      |     | +-           | $\vdash$   | †-   | <del> </del>   | -  | <del>                                     </del> |          |          |          |
| 1   | _}  | 43                                    | -        | ╀              | +                                      | ⊢        |          |               |          | -              | <del> </del>                                     | ⊢┥       | -        | 93       | -            | -  | -        | -        |          |          | Н        |                | $\dashv$        | $\vdash$ | -        | ۲.     |     | +-           | +          | +-   | 1              | <del>                                     </del> |  | 7        | $\neg$   |          |
| 1   | _1  | 44                                    | L        | L              | 1                                      | ↓-       | ↓_       | ╁_            | ₩        | ↓_             | <b>}</b> —                                       | Н        | -        | 94       | ⊢            | ├-   | -        | -        | -        | -        | $\vdash$ | $\vdash\dashv$ | $\dashv$        | $\vdash$ | -        |        | 15  | +            | $\vdash$   | +-   | 1              | 1  |  |          | $\neg$   | $\sqcap$ |
| L   |     | 45                                    | ⊢        | +              | +-                                     | +        |          | 1             | ╀        | ļ              | ┼  | H        | 1        | 95       | $\vdash$     | ₽  | ├        | -        | -        | -        | $\vdash$ | ┝┥             | Н               |          | -        | _      | 13  | +-           | +          | ┰  | <del>  -</del> | t-   |  | М        | $\neg$ 1 |          |
| 1   | 4   | 46                                    | 1        | ╄              | +-                                     | ╁        | ₩-       | ╄-            | +        | ₩-             | +  | Н        | $\vdash$ | 96       | -            | ₩  | -        | -        | H        | —        |          | $\vdash$       | H               | $\vdash$ | -        |        | 17  | +-           | +          | 1-   | 1              | <b>├</b>   | 1  | П        |          |          |
| -   | _   | 47                                    | L        | 1              | 1                                      | 1_       | -        | +-            | ↓_       | ↓              | <del> </del>                                     | Н        | $\vdash$ | 97       | <u> </u>     | 1-   | ┥        | ├        | ┝        | ├-       |          | $\vdash$       | $\vdash$        | $\vdash$ | -        |        | 18  | +-           | 1          | +  | 1              | $\vdash$   | 1  | М        | $\Box$   |          |
| Ţ   | _   | 48                                    |          | ╀              | 1                                      | ┺        | ╄        | 1             | 1        | 1              | ╀  | $\vdash$ | $\vdash$ | 98       | ₩            | ├-   | ┡        |          | -        | -        | -        |                |                 |          | -        |        | 19  | +-           | +          | +-   | +-             | +-   | 1  | М        |          |          |
| ļ   | _   | 49                                    |          | +              | +                                      | ╄        | ₩        | +-            | ╀        | ╀              | +-   | Н        | -        |          | <del> </del> | +-   |          | ├        | -        | $\vdash$ | -        | $\vdash$       | H               | $\vdash$ | -        |        | 50  | +-           | +          | +-   | +-             | 1  |  |          |          |          |
| L   | لــ | 50                                    | ⊥_       | ┸              | _ـــــــــــــــــــــــــــــــــــــ | 4        | ᆫ        | 1             | _        | 1_             | 1_   | لــا     | <u> </u> | 100      | 1            | ــــــــــــــــــــــــــــــــــــــ           | Ц        | 1        | Щ-       | _        | ـــــ    |                | _               | ت        |          | 10.    |     |              |            |  | _              | _  |  |          |          |          |

If more than 150 claims or 10 actions staple additional sheet here

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